

Form PTO-1449 (Rev. )	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 20516 US (C38435/111694)	SERIAL NO. 09/727,855
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		APPLICANT Tatsuo HOSHINO, et al.	
		FILING DATE December 1, 2000	GROUP not yet assigned

## U.S. PATENT DOCUMENTS

Examiner Initial	Cite No.	U.S. Patent Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

## FOREIGN PATENT DOCUMENTS

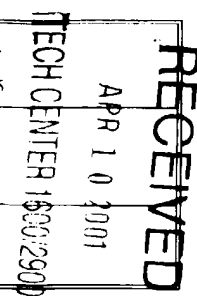
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C1	Schroeder, et al., "Antioxidant role of carotenoids in <i>Phaffia rhodozyma</i> ," <u>Journal of General Microbiology</u> , Vol. 139, pp. 907-912 (1993)
EXAMINER	DATE CONSIDERED
<i>Noted</i> 4/16/01	
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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(Rev. 7)U.S. DEPARTMENT OF COMMERCE  
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20516 US (C38435/111694)SERIAL NO.  
09/727,855INFORMATION DISCLOSURE STATEMENT  
BY APPLICANTAPPLICANT  
Tatsuo HOSHINO, et al.FILING DATE  
December 1, 2000GROUP  
1645

(Use several sheets if necessary)



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## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
we	B1	WO 94/06918	3/1994	PCT				
we	B2	WO 97/23633	7/1997	PCT				
we	B3	JP 10-248575	10/1998	Japan				
we	B4	EP 0 769 551 A1	4/1997	Europe				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

we	C2	Derwent English Language Abstract of JP 10-248575 (document B3)
we	C3	Wery, J. et al., "Structural and Phylogenetic Analysis of the Actin Gene from the Yeast <i>Phaffia rhodozyma</i> ," <i>Yeast</i> , Vol. 12, pp. 641-651 (1996)
we	C4	Wery, J. et al., "High copy number integration into the ribosomal DNA of the yeast <i>Phaffia rhodozyma</i> ," <i>Gene</i> , 184, pp. 89-97 (1997)
we	C5	Shimada, H. et al., "Increased Carotenoid Production by the Food Yeast <i>Candida utilis</i> through Metabolic Engineering of the Isoprenoid Pathway," <i>Appl. &amp; Env. Microbiol.</i> , Vol. 64, No. 7, pp. 2676-2680 (1998)
we	C6	Croxen, R. et al., "Isolation of an <i>Ustilago maydis</i> gene encoding 3-hydroxy-3-methylglutaryl-coenzyme A reductase and expression of a C-terminal-truncated form in <i>Escherichia coli</i> ," <i>Microbiology</i> , Vol. 140, pp. 2363-2370 (1994)
we	C7	Martinez, C. et al., "Genetic transformation of astaxanthin mutants of <i>Phaffia rhodozyma</i> ," <i>Antonie van Leeuwenhoek</i> , Vol. 73, pp. 147-153 (1998)

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		FILING DATE December 1, 2000	GROUP 1645

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ME	C8	An. "Photosensitization of the Yeast <i>Phaffia rhodozyma</i> at a Low Temperature for Screening Carotenoid Hyperproducing Mutants." <u>Applied Biochemistry and Biotechnology</u> , Vol. 66, pp. 263-268 (1997)
ME	C9	Shaish, <i>et al.</i> , "Are active oxygen species involved in induction of $\beta$ -carotene in <i>Dunaliella bardawil</i> ?" <u>Planta</u> , Vol. 190, No. 3, pp. 363-368 (1993)
ME	C10	Schroeder, <i>et al.</i> , "Singlet Oxygen and Peroxyl Radicals Regulate Carotenoid Biosynthesis in <i>Phaffia rhodozyma</i> ." <u>J. Biol. Chem.</u> , Vol. 270, No. 31, pp. 18374-18379 (1995)
ME	C11	Cortez, <i>et al.</i> , "Molecular Cloning and Expression Analysis of the <i>Rhodobacter capsulatus</i> <i>sodB</i> Gene, Encoding an Iron Superoxide Dismutase." <u>Journal of Bacteriology</u> , Vol. 180, No. 20, pp. 5413-5420 (1998)
ME	C12	Jakopitsch, <i>et al.</i> , "Catalase-Peroxidase from the Cyanobacterium <i>Synechocystis</i> PCC 6803: Cloning, Overexpression in <i>Escherichia coli</i> , and Kinetic Characterization." <u>Biol. Chem.</u> , Vol. 380, pp. 1087-1096 (1999)
ME	C13	Forkl, <i>et al.</i> , "Molecular Cloning, sequence analysis and expression of the gene for catalase-peroxide ( <i>cpeA</i> ) from the photosynthetic bacterium <i>Rhodobacter capsulatus</i> B10." <u>Eur. J. Biochem.</u> , Vol. 214, pp. 251-258 (1993)
ME	C14	Chung, <i>et al.</i> , "Duplicate genes for Fe-containing superoxide dismutase in <i>Streptomyces coelicolor</i> A3(2)." <u>Gene</u> , Vol. 231, pp. 87-93 (1999)
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		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
NE	B1	WO 90/02804	3/1990	PCT				
NE	B2	WO 00/28041	5/2000	PCT				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

NE	C15	Creissen, <i>et al.</i> , "Simultaneous targeting of pea glutathione reductase and of a bacterial fusion protein to chloroplasts and mitochondria in transgenic tobacco," <i>The Plant Journal</i> , Vol. 8(2), pp. 167-175 (1995)
NE	C16	Lin, <i>et al.</i> , "Cloning and Characterization of a cDNA for Manganese Superoxide Dismutase from Callus of Sweet Potato," <i>J. Agric. Food Chem.</i> , Vol. 45, pp. 521-525 (1997)
NE	C17	Neupert, "Protein Import Into Mitochondria," <i>Annu. Rev. Biochem.</i> , Vol. 66, pp. 863-917 (1997)
NE	C18	Zhang, <i>et al.</i> , "Photosensitisation Properties of Mitochondrially Localised Green Fluorescent Protein," <i>Biochemical and Biophysical Research Communications</i> , Vol. 242, pp. 390-395 (1998)
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